

# Teris One Company

Defining the future of hazardous waste management

Where does our HHW waste go after we collect it?

## Purpose

- ➤ Brief discussion of MSE Environmental a division of Teris.
- A presentation of what happens to waste after it is shipped to Teris.
  - The receiving of waste
  - Unloading of waste and QAQC
  - Storage of waste in the warehouse.
  - Storage of Reactives and oxidizers.
  - Incineration



# Corporate Overview

- ➤ MSE was Founded in 1986
- >Started managing HHW collections in 1988
- ➤ Purchased by ENSCO in 1998
- ➤ Teris purchased ENSCO in 2001
- Teris is owned by SUEZ, a French based company



# MSE Environmental's Focus and Ethics

- Focus on HHW and AgChem Programs: Unique in the industry, MSE's sole focus is on the management of wastes generated from Households, Conditionally Exempt Small Quantity Generators (CESQG'S), and the Agricultural community
- ➤ Ethics in waste management: MSE's waste management philosophy has always been, "if you make the effort to collect the material, preventing it from going in the local solid waste stream, you should handle it in a responsible manner." Our company policy has always been not to landfill any material, which can be otherwise managed and provide cost-effective means of responsible waste management; reusing, recycling, or incinerating whenever possible.



# **Project Types**

- Full-time operation of permanent collection centers —MSE covers the cost of the required employees, and client counts on MSE's expertise, thus creating a client loyalty.
- ➤ AgChem Waste Programs: Banned or outdated pesticides, but also may include all unwanted agricultural chemicals. Clients generally better educated in the hazards of the materials and generally more concerned with safe operations, company experience and liability minimization, than with costs.
- > Transportation and disposal for permanent collection centers—tend to be the lowest cost to serve. These clients can vary in size from \$20,000 to \$1,500,000 per year, with a very low cost to serve.



# The disposal facility







# Unloading and trailer staging

Unload 14 Truck per 12 hour day.

Average 108 containers per trailer.





# Receiving Warehouse

>25,000 Drum capacity







### Unloading of waste trailers.

- **>** QAQC
- Every container is weighed and its contents verified.







#### Waste verification continued





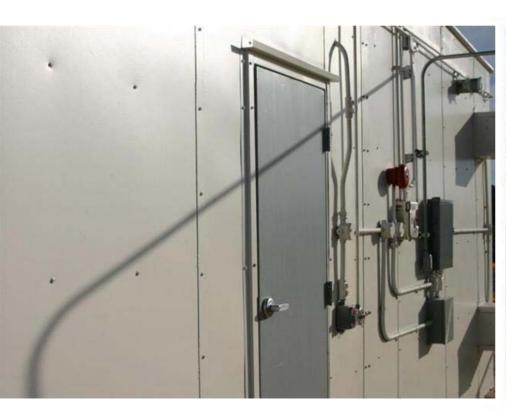


#### View inside the warehouse





# Reactive and Oxidizer Waste Storage Vault





ROTARY KILN • LIQUID INJECTION • CEMENT KILN • SULFURIC ACID REGENERATION • FUELS BLENDING •

# Inside of Vaults and Side Loading Doors for Oxidizer Vaults





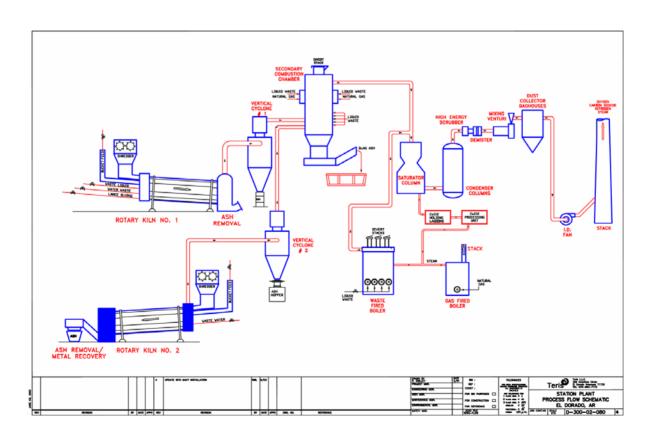


# Safety at the Incinerator





# Process Diagram





### Health and Safety

- ➤ Teris' Health and Safety Program is an exemplary program that greatly exceeds OSHA requirements and is designed to make Teris a leader in the industry in Safety performance, both at Teris' facilities and, when performing work at Teris customer's sites.
- The Blue StAR process, a behavioral tool, ensures that employees "Stop And Reflect" before undertaking any new project.
- ➤ HHW collection events involve many unknowns; number of participants, waste volumes and types, and additionally incorporates public involvement. Strict adherence to Health and Safety is a must. MSE makes Safety a priority on all sites by utilizing an 8-mil visqueen covering in all working areas, with a 28 mil liner underneath all areas where liquids are bulked. All sites are equipped with emergency equipment and PPE. Furthermore, all personnel are trained and experienced in on-site Emergency Response and corporate Health and Safety Policies.



## Environmental Compliance

- Freis is fully committed to managing waste streams safely and in full compliance with all regulations in order to stay liability free.
- > Teris is committed to continuous improvement.
  - Green StAR program
  - > ISO 9001 and 14001
  - > \$32 million facility investment- MACT compliant
- ➤ Teris' unique chlorine recycling program allows customers to apply for recycling, recovery and reuse activity exemptions pursuant to Toxic Release Inventory Reporting Requirements (support documentation from the State of Arkansas available upon request).

